

OVERVIEW

RANSCRYL-LMW is a one pack roof coating. It provides a highly flexible waterproof coating with excellent weather resistance. RANSCRYL-LMW has long life flexibility and is ideally suitable for use in areas with extreme climatic conditions. It is applied by brush or spray and after drying can be walked upon uncovered in special case.

PROPERTIES

RANSCRYL-LMW is a blend of weather resistant pigments, fillers and acrylic resins with the following properties:

- Waterproof and weatherproof coating.
- Allows surface to breath while remaining strongly anchored to the substrate.
- Provides a seamless coating & excellent crack bridging capacity.
- High flexibility, fast drying, Easy to use, no mixing or heating required.
- Reflects Ultra-Violet (light) rays.
- Life and durability of the structure is increased.
- Very good bonding to damp surfaces
- Lightweight compared to conventional roofing systems, thereby loading on the roofs is reduced.
- Lower Labour cost due to easy, simple and quick application, leading to early completion and time saving.
- Excellent bonding to substrate such as concrete, masonry, wood, metal, plastic, etc.

AREAS OF USE

- RANSCRYL-LMW is designed for application on roofs constructed from a wide variety of materials, i.e. concrete, light weight concrete, roof tiles, wood, galvanized steel, asphalt and asbestos cement. Ensure a slope of 1:75 is maintained to avoid ponding.
- Suitable for horizontal and vertical walls.

INSTRUCTIONS FOR USE

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the waterproofing system are as follows:

SURFACE PREPARATION

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections and protrusions shall be removed and repaired with 'V' grooves filling and sealed with RANSBITU-SEAL/RANSPOLY-SEAL/RANSPU-SEAL-1K, Structurally unsound and friable concrete must be removed and repaired with a suitable RANSCRETE-AP concrete repair mortar.

Method-1

PRIMING

If substrate is porous, it is best to use RANSCRETE-AP PRIMER Penetrating Primer prior to RANSCRYL-LMW application.

APPLICATION & CLEANING OF TOOLS

RANSCRYL-LMW can be applied by spray or brush, embedding glass fibre scrim in areas which require reinforcement. Allow to dry and apply another coat to give an overall consumption of approximately 1.2-1.6kg/m². Do not apply if rain is threatening, as RANSCRYL-LMW is not resistant to rain until fully dry.

Recommended: - 2-3 Coats

Clean tools and equipment with water after use.

RANS ENGINEERING & CHEMICALS offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the RANS Technical Service Department or your local RANS agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on RANS present state of knowledge and is intended to provide general information on RANS's products and their methods of use. The prospective user is recommended to determine the suitability of RANS's suggestions and products before adopting them on a commercial scale.

DETAILED APPLICATION PROCEDURE

- Prime the surface with **RANSCRYL-LMW PRIMER**. In Ration ;(1kgs **RANSCRYL-LMW**: 1kgs Water) @0.15-0.2kgs/Sqmt/Coat.
- After the primer coat is completely dried apply three coats of **RANSCRYL-LMW**. It is recommended to apply the 2-3 coats after the previous coat is totally cured. @ 0.5kgs/Sqmt/Coat.
- For better results use **RANS GLASS FIBRE MESH/REINFORCEMENT** embedded into 1st coat of **RANSCRYL-LMW** while still wet.
- **RANSCRYL-LMW** could be diluted up till 10 – 15% for 1st coat & 2nd coat and 5 – 10 % for 3rd coat to make material workable and get the desired coverage.
- All brushes and tools should be cleaned by water immediately after use.

PRECAUTION: Mix only the required quantity of material, which can be utilized within stipulated pot life to avoid solidification.

Wash all the tools and tackles with industrial solvent immediately after the application is completed.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKGING & STORAGE

RANSCRYL-LMW is supplied in 5kg & 20kg plastic pails.

Store containers in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months.

**TECHNICAL
DATA**

Product	Waterproof flexible roofing compound.
Binders	Styrene/acrylic ester.
Fillers	Crushed and precisely graded fillers.
Pigments	Weather resistant pigments.
Drying Time	6 hours between coats.
Specific Gravity	1.1±0.2 @20°C
Colors	White, Other colors are available on request with sufficient order quantities.
Elongation (ASTM D-2370)	350±50%
Solid Content (ASTM C-836 & C-898)	65±5%
Tensile Strength	2.1-4 Mpa depending upon reinforcement provided.
Material Consumption	1.2-1.6kg/m ²
Service Temperature	+5°C to +45°C
Solar Reflection & Insulation Properties	<85% and Good.
Packaging	5kg and 20kg plastic pails.

PICTURES/IMAGES AT GLANCE



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